

Title (en)

ENGINE COMBUSTION IMPROVEMENT DEVICE AND ENGINE COMBUSTION IMPROVEMENT METHOD USING MAGNETISM

Title (de)

VORRICHTUNG UND VERFAHREN ZUM VERBESSERN DER VERBRENNUNG EINES MOTORS MITTELS MAGNETISMUS

Title (fr)

DISPOSITIF ET PROCEDE AMELIORANT LA COMBUSTION D'UN MOTEUR PAR MAGNETISME

Publication

EP 0965745 A4 20000405 (EN)

Application

EP 97950437 A 19971226

Priority

- JP 9704905 W 19971226
- JP 28397 A 19970106

Abstract (en)

[origin: WO9830796A1] An engine combustion improvement device and an engine combustion improvement method which enable the improvement of the combustion of an internal combustion engine such as a diesel engine, etc., particularly, enable the reduction of the discharged quantity of harmful waste such as black smoke, nitrogen oxides, etc. Two magnets (2) are so arranged close to each other in such a way that their respective poles face each other. Fuel which is supplied to the engine from a fuel tank is made to pass through a gap (3) between the poles. The magnetic force (attractive force or repulsive force) per unit area acting between the facing poles is not lower than 0.15 kgf/cm² and the time which is required for the fuel to pass the facing poles is not less than 1.7 seconds.

IPC 1-7

F02M 27/04

IPC 8 full level

F02M 27/04 (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)

F02M 27/045 (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9830796A1

Cited by

WO2007090218A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9830796 A1 19980716; EP 0965745 A1 19991222; EP 0965745 A4 20000405; JP 3019795 B2 20000313; JP H10196470 A 19980728; US 6220231 B1 20010424

DOCDB simple family (application)

JP 9704905 W 19971226; EP 97950437 A 19971226; JP 28397 A 19970106; US 33200099 A 19990720